

PBS Environment Variables

Category: Running Jobs with PBS

DRAFT

This article is being reviewed for completeness and technical accuracy.

There are a number of environment variables provided to the PBS job. Some are taken from the user's environment and carried with the job. Others are created by PBS. Still others can be explicitly created by the user for exclusive use by PBS jobs. All PBS-provided environment variable names start with the characters "PBS_". Some are then followed by a capital O ("PBS_O_") indicating that the variable is from the job's originating environment (i.e. the user's).

The following lists a few useful PBS environment variables.

PBS_O_WORKDIR

contains the name of the directory from which the user submitted the PBS job

PBS_O_PATH

value of **PATH** from submission environment

PBS_JOBID

contains the PBS job identifier

PBS_JOBDIR

pathname of job-specific staging and execution directory

PBS_NODEFILE

contains a list of vnodes assigned to the job

TMPDIR

The job-specific temporary directory for this job
defaults to /tmp/pbs.job_id on the vnodes

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